Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/02/2021 09:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124453	-1	1.20	124364	1.21
Blue	F	SSC	125000	124713	-1	2.36	125153	2.30
Blue	E	FITC	13131	12785	-3	2.20	295	15.04
Blue	D	PE	24112	23605	-3	1.60	542	10.53
Blue	B	PerCP-Cy5-5	31295	30602	-3	2.92	1012	13.99
Blue	A	PE-Cy7	19939	19819	-1	5.06	533	28.15
Red	C	APC	42122	41303	-2	2.99	1732	11.20
Red	A	APC-Cy7	22340	21644	-4	3.32	812	11.61
Violet	B	V450	7410	6975	-6	3.39	422	12.01
Violet	A	V500	28118	26905	-5	2.96	669	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22898	0.89	562	-7	N/A	N/A	Pass
Blue	F	SSC	58232	1.09	515	3	N/A	N/A	Pass
Blue	E	FITC	54	54.62	482	-5	0.0473	160	Pass
Blue	D	PE	114	37.06	484	-4	0.4721	368	Pass
Blue	B	PerCP-Cy5-5	189	34.56	580	-6	0.0217	73	Pass
Blue	A	PE-Cy7	106	65.23	623	-5	0.0233	0	Pass
Red	C	APC	401	23.50	577	1	0.0292	188	Pass
Red	A	APC-Cy7	182	27.86	552	1	0.0065	1319	Pass
Violet	B	V450	59	63.54	454	1	0.0836	3295	Pass
Violet	A	V500	97	32.58	466	1	0.0256	598	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.59	-31.39	1.07
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.19	13.60 - 20.40	N/A	N/A	29.97	30.05	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9680

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments